SRS-D101

SERVICE MANUAL

Ver 1.1 2002. 11

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model

SPECIFICATIONS

Front speakers

Speaker system	Full range, magnetically shielded
Speaker units	3.9 cm, cone type
Enclosure type	Bass reflex
Impedance	6 Ω
Power handling capacity	3 watts
Maximum input power	6 watts
Sensitivity level	81 dB (1 W, 1 m)
Dimensions (w/h/d)	54 × 115 × 74 mm
Mass	210 g (Lch), 160 g (Rch)
Cord length	2 m
Input impedance	4.7 kΩ (at 1 kHz)
Input	LINE IN 1, 2

Subwoofer

Speaker system	Active subwoofer, magnetically shielded
Speaker unit	9 cm, cone type
Enclosure type	Bass reflex
Impedance	6 Ω
Power handling capacity	14 watts
Maximum input power	28 watts
Sensitivity level	80 db (1 W, 1 m)
Dimensions (w/h/d)	194 × 210 × 239 mm
Mass	2,400 g

Amplifier section

Rated output:

Woofer section	14 W <10 % T.H.D., 100 Hz, 6 Ω>
Mid and high range section	3 W + 3 W <10 % T.H.D., 1 kHz, 6 Ω>
Total	20 W

General

Power consumptions	20 W
Cord length	2 m (adaptor cable)

Where purchased	Operating voltage
U.S.A./Canada	120 V AC, 60 Hz
European countries	220-230 V AC, 50Hz
Other countries	• 110 – 120 V AC, 50/60Hz • 220 – 230 V AC, 50 Hz

Supplied accessories

Audio connecting cord (1)

Design and specifications are subject to change without notice.

ACTIVE SPEAKER SYSTEM

9-873-998-02
2002K1600-1
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Sony Corporation
Personal Audio Company
Published by Sony Engineering Corporation

SONY®

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

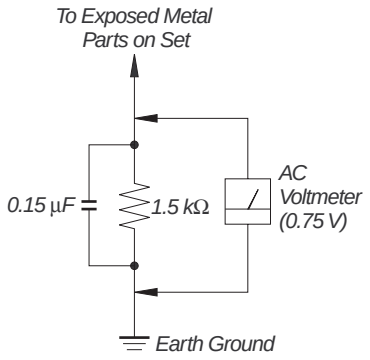


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

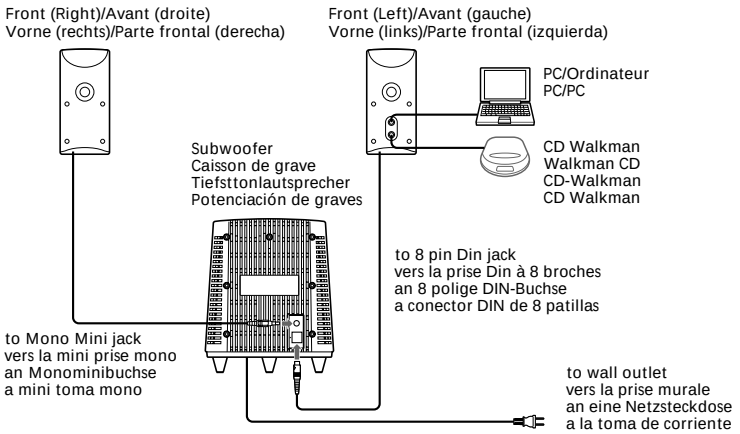
Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

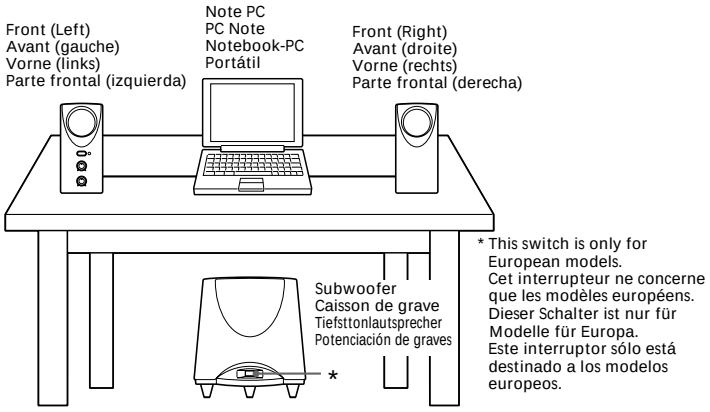
SECTION 1
GENERAL

This section is extracted from instruction manual.

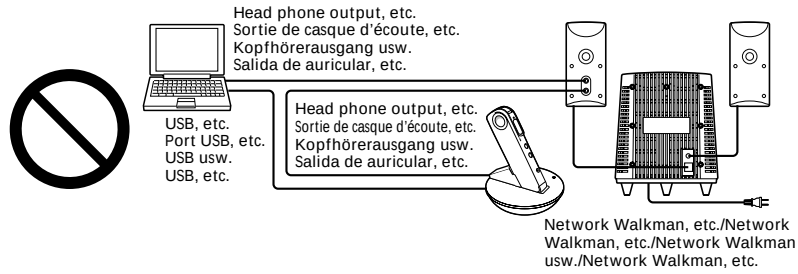
A



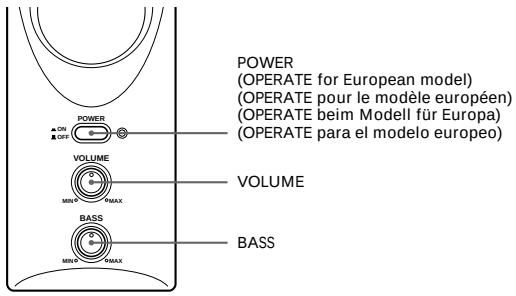
B



C **Incorrect connection/Raccordement incorrect/Falscher Anschluß/ Conexión incorrecta**



D



Precautions

On safety

The nameplate indicating operating voltage, power consumption, etc. is located on the bottom exterior.

- Before operating the system, be sure that the operating voltage of the system is identical with that of your local power supply.

Where purchased	Operating voltage
U.S.A./Canada	120 V AC, 60 Hz
European countries	220-230 V AC, 50Hz
Other countries	• 110 – 120 V AC, 50/60Hz • 220 – 230 V AC, 50 Hz

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Unplug the system from the wall outlet if it is not to be used for an extended period of time. To disconnect the cord, pull the cord by grasping the plug. Never pull the cord itself.
- Should any liquid or solid object fall into the system, unplug the system's power cord and have the system checked by qualified personnel before operating it any further.
- The AC power cord should be changed only at a qualified service shop.
- For efficient heat dissipation, ensure there is sufficient space to the rear of the woofer. Also, avoid placing objects on the unit.

On operation

- Do not drive the speaker system with a continuous wattage exceeding the maximum input power of the system.
- Contact between bare speaker wires at the speaker terminals may result in a short-circuit.
- Before connecting, turn off the Speaker system, the PC and the audio component to avoid damaging the speaker system.
- **The volume level should not be turned up to the point of distortion.**

Hooking up the system

1 **(See fig. A for steps 1 through 3.)**
Connect the left speaker cord 8 pin plug to the rear panel jack with their respective arrows aligned.

2 **Connect the subwoofer to the wall outlet.**

3 **Connect the CD walkman, PC, etc., to the INPUT jack on the left speaker.**

4 **Position the speakers. (See fig. B.)**

Note on connecting

Do not connect an output device to INPUT 1 and INPUT 2 of the unit at the same time (as shown in fig. C) to avoid damage to the output device.

Listening to the sound (see fig. D)

First, turn down the volume on the left speaker. The volume should be set to minimum before you begin playing the programme source.

1 **Press POWER on the left speaker.**
The POWER indicator lights up green.
For the European models
Press POWER on the subwoofer to turn it on, and then press OPERATE on the left speaker.
The OPERATE indicator lights up green.
The main power source of the system is provided by the subwoofer. When the power of the subwoofer is turned off, the system does not operate, even if OPERATE is pressed.

2 **Play the programme source.**

To adjust the volume

Rotate VOLUME.

To adjust the subwoofer

Rotate BASS to adjust the bass volume.
Set the volume level to best suit your preference according to the programme source.

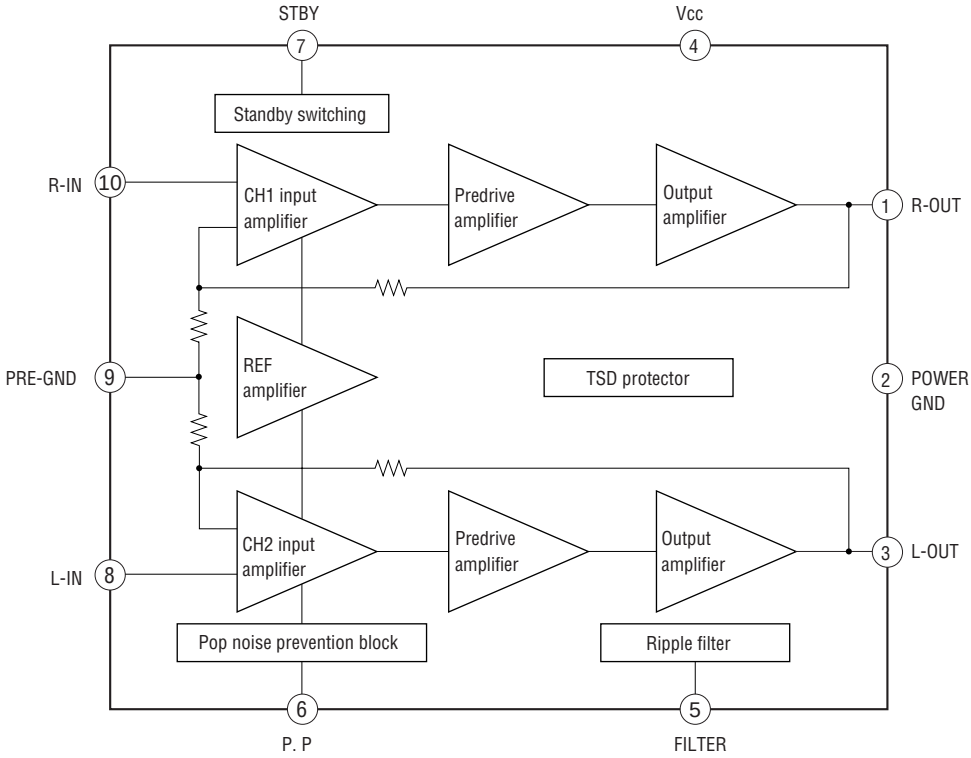
Notes

- To enjoy high-quality sound, do not turn the bass volume too high.
- When two units are connected to the system and the programme sources are played at the same time, their playback sounds will be mixed up. In this case, turn off one of the units not in use.

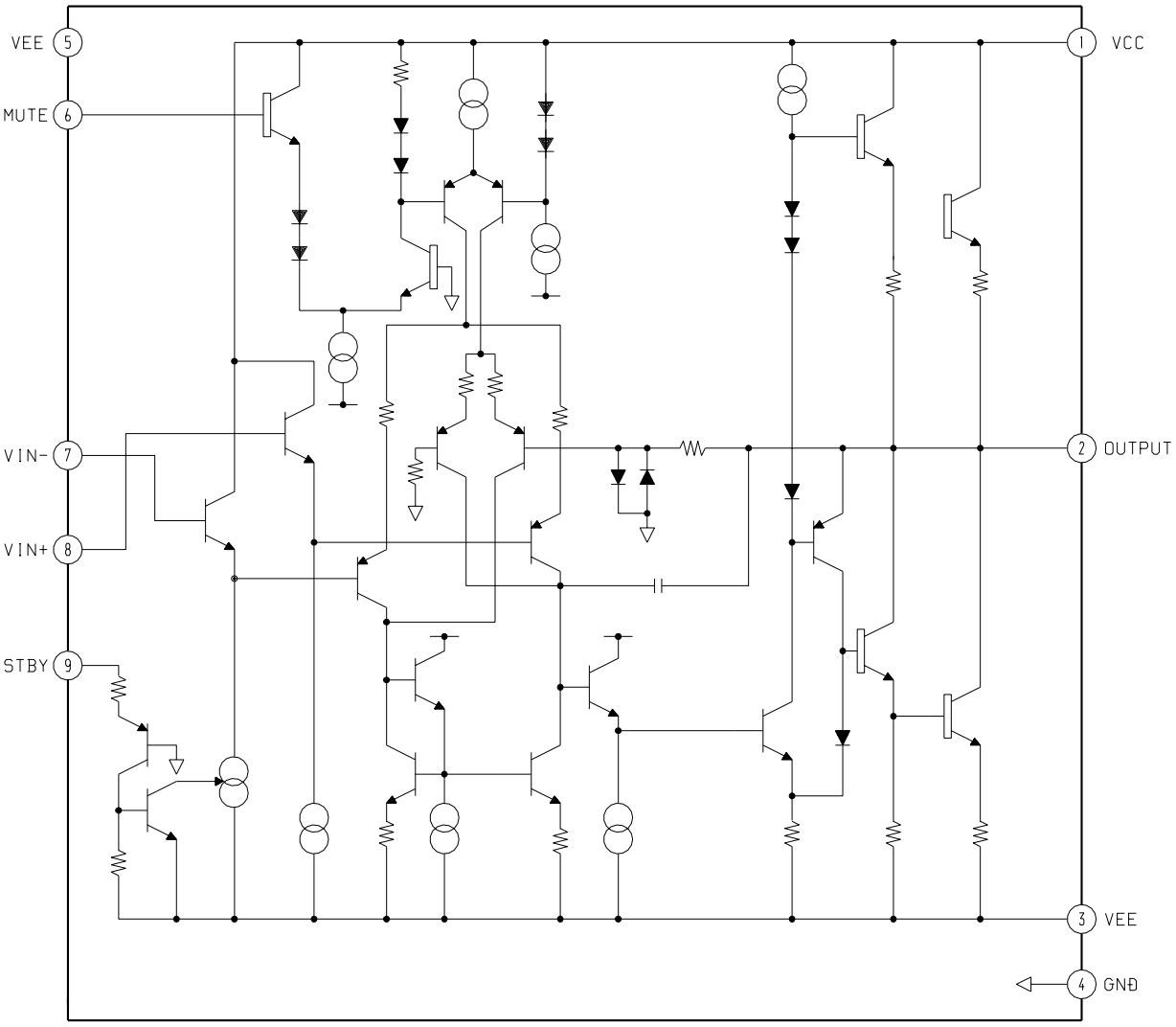
SECTION 2
DIAGRAMS

• IC Block Diagrams

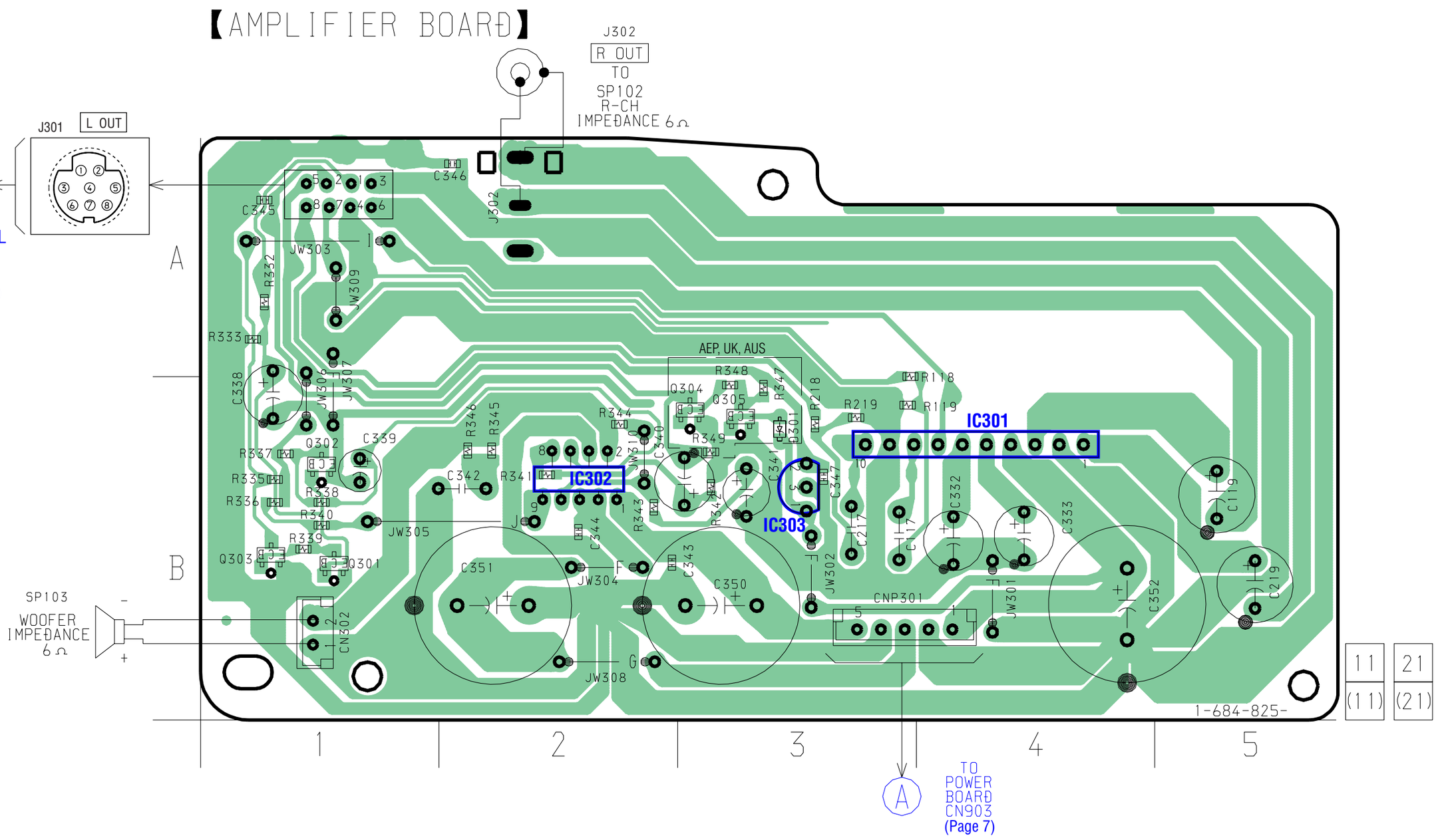
IC301 LA4601N



IC302 LM4701T



2-1. Printed Wiring Board – AMP Section –

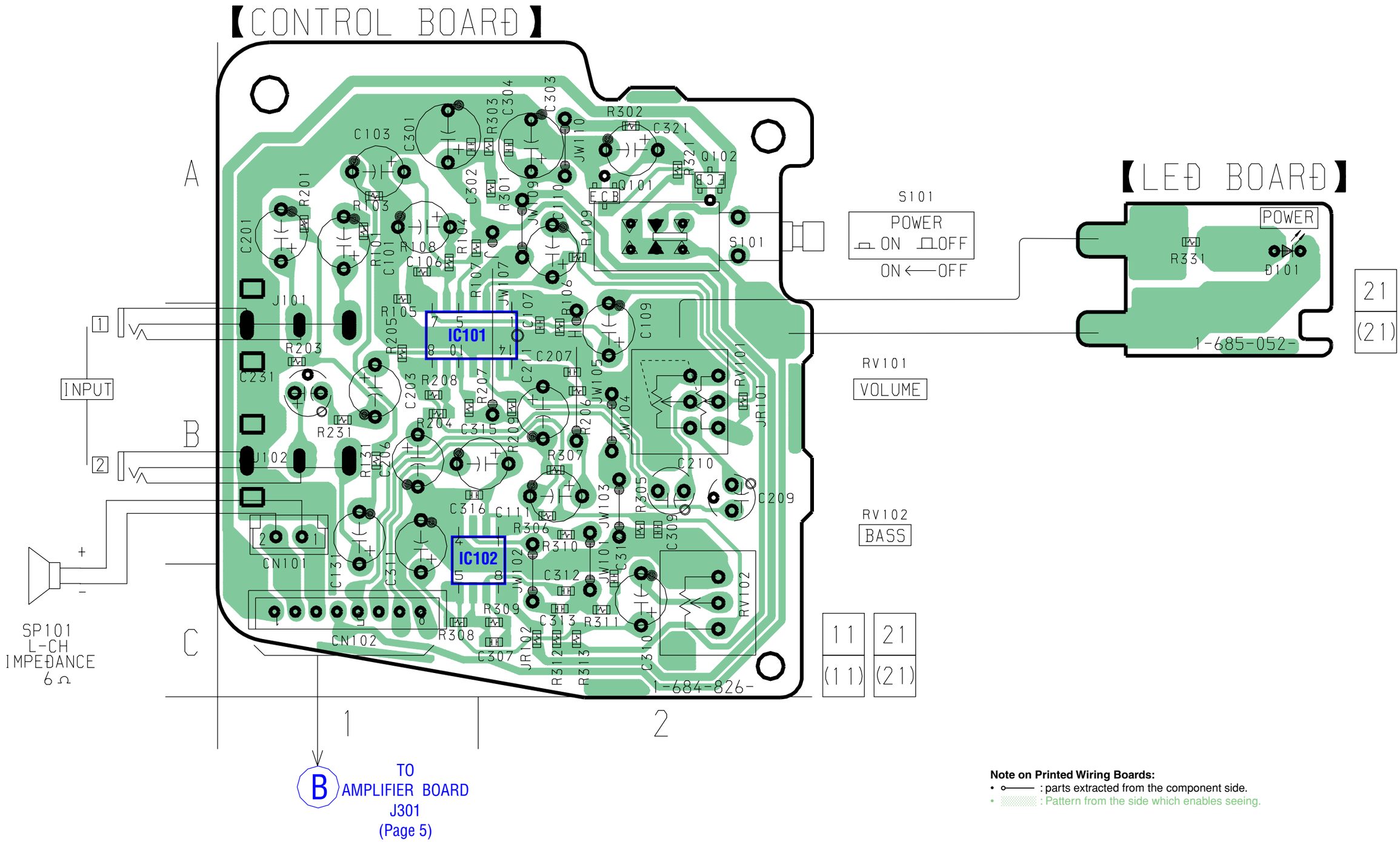


- **Semiconductor Location**

Ref. No.	Location
D301	B-3
IC301	B-4
IC302	B-2
IC303	B-3
Q301	B-1
Q302	B-1
Q303	B-1
Q304	B-3
Q305	B-3

Note on Printed Wiring Boards:
- ⟜ : parts extracted from the component side.
- ▒ : Pattern from the side which enables seeing.

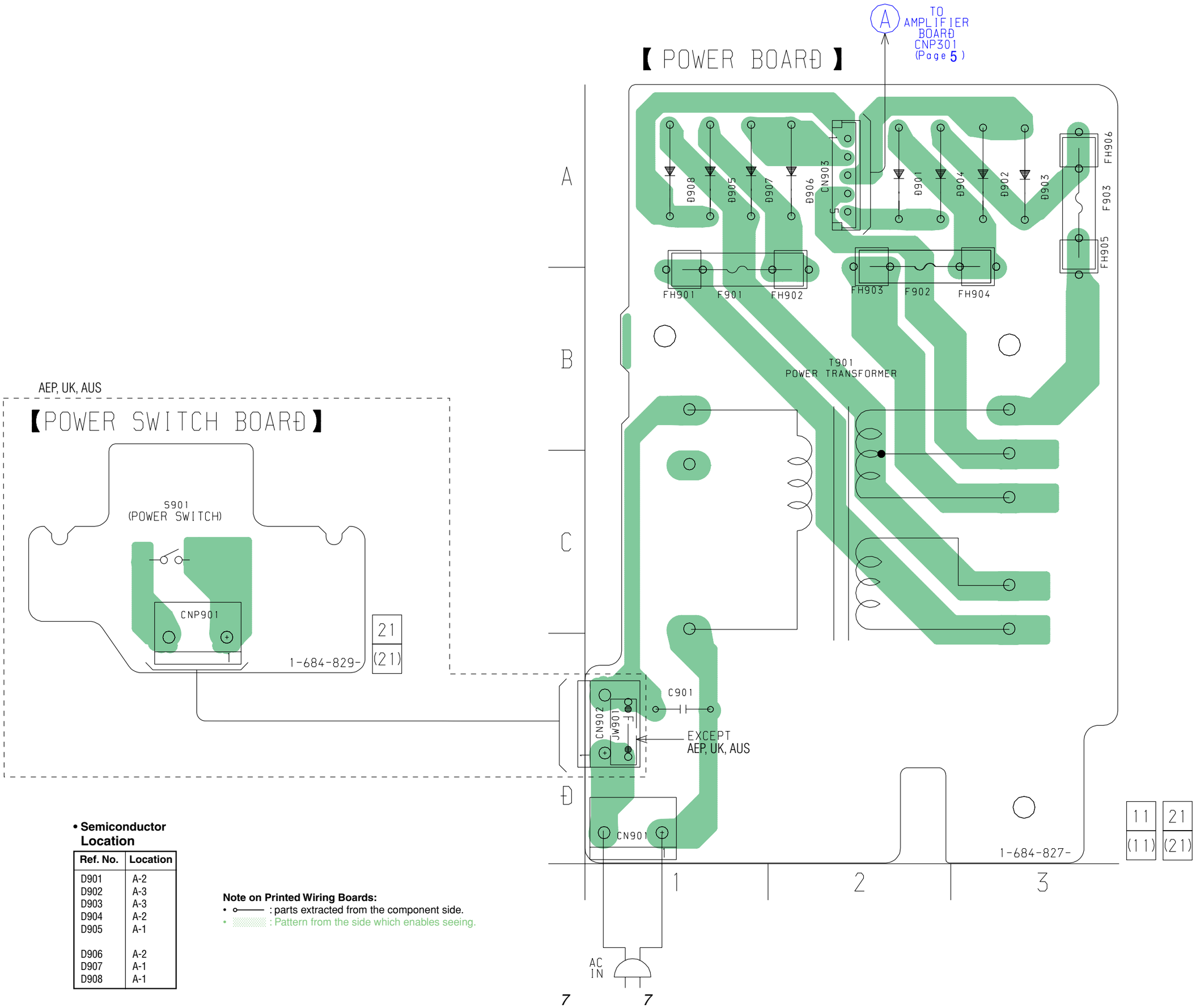
2-2. Printed Wiring Board – CONTROL Section –



Note on Printed Wiring Boards:

- ○——— : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enables seeing.

2-3. Printed Wiring Board – POWER Section –



• **Semiconductor Location**

Ref. No.	Location
D901	A-2
D902	A-3
D903	A-3
D904	A-2
D905	A-1
D906	A-2
D907	A-1
D908	A-1

Note on Printed Wiring Boards:
- ——o : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enables seeing.

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2-4. Schematic Diagra – ALL Section –

• See page 4 for IC Block Diagrams.

【LED BOARD】

【CONTROL BOARD】

【AMPLIFIER BOARD】

【POWER SWITCH BOARD】

【POWER BOARD】

IC101 AUDIO AMP

IC102 AUDIO AMP

IC301 POWER AMP IC B/D

IC302 POWER AMP IC B/D

IC303 9V REG

*F901. 902. 903

	F901	F902	F902
AEP. UK. SP. AUS	T2.0AL/250V	T1.6AL/250V	T1.6AL/250V
US. CND. E92	2.0/125V	1.6/125V	1.6/125V

Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ▭ : panel designation.
- ▬ : B+ Line.
- ▬ ▬ : B– Line.
- Abbreviation
  CND : Canadian model.
  E92 : Chilean and Peruvian model.
  SP : Singapore model.
  AUS : Australian model.
- Voltages is dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ▷ : AUDIO signal

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 3
EXPLODED VIEWS

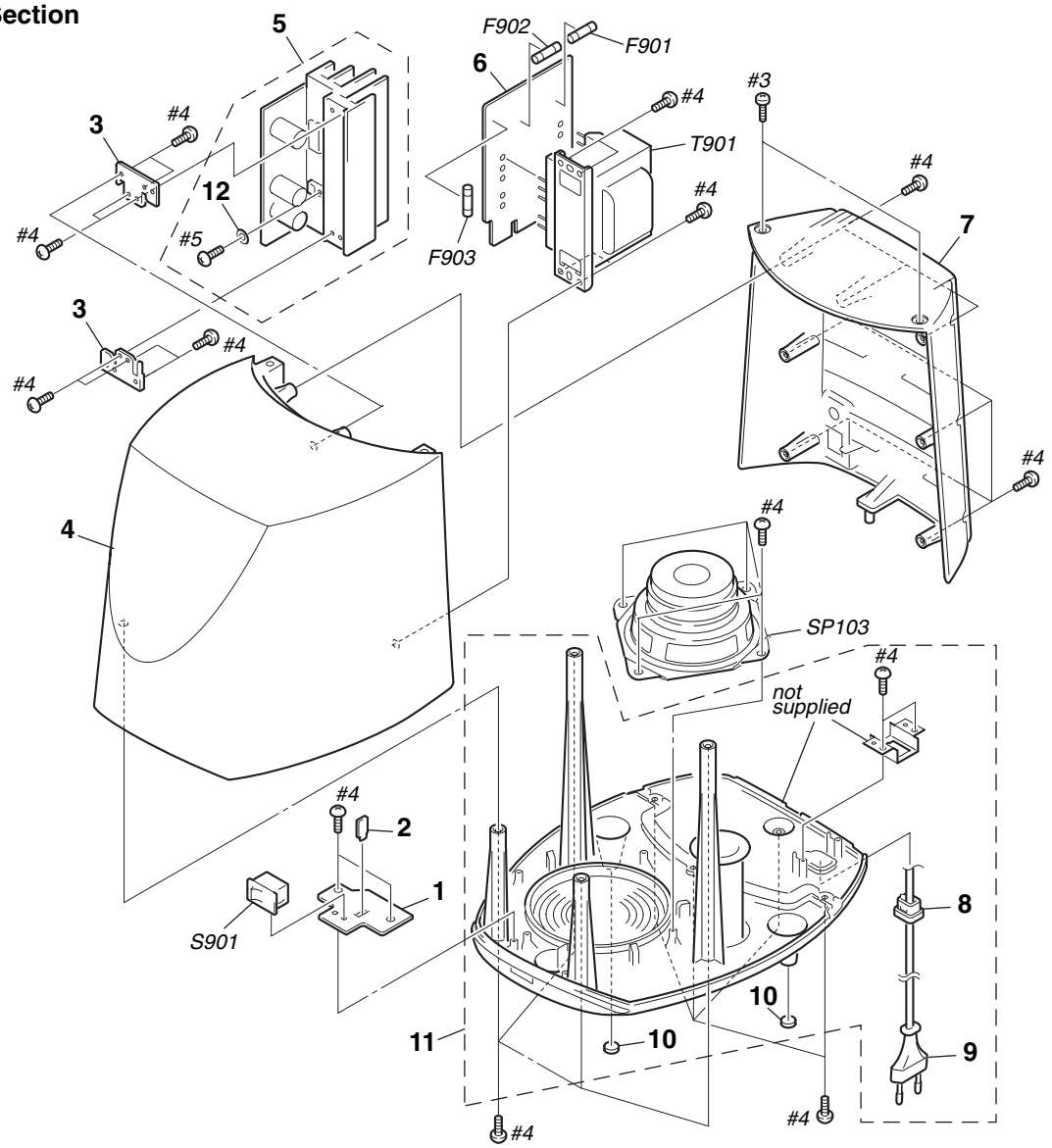
NOTE:

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of this parts list.
- Abbreviation
  CND : Canadian model.
  E92 : Chilean and Peruvian model.
  SP : Singapore model.
  AUS : Australian model.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

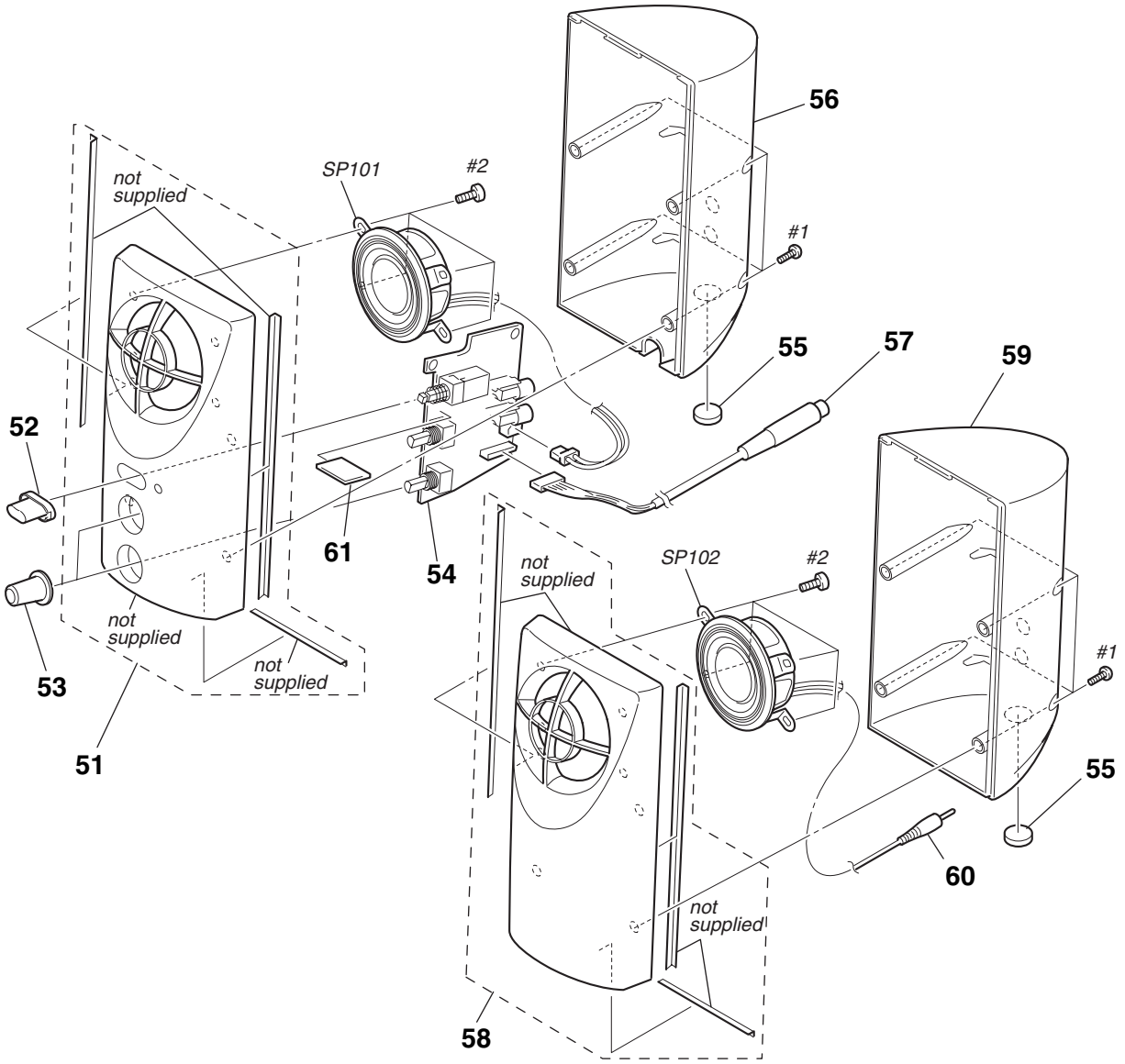
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

3-1. AMP Section



Ref. No.	Part No.	Description	Remarks
* 1	1-684-829-21	POWER SWITCH BOARD (AEP,UK,AUS)	
* 2	1-684-830-21	RETAINER BOARD (SW) (AEP,UK,AUS)	
* 3	1-684-828-11	RETAINER BOARD(US,CND,E92)	
* 3	1-684-828-21	RETAINER BOARD (AEP,UK,SP,AUS)	
4	X-3381-972-1	CABINET SUB (UPPER) ASSY (US,CND)	
4	X-3382-212-1	CABINET SUB ASSY (UPPER) (AEP,UK,AUS)	
4	X-3382-215-1	CABINET SUB ASSY (UPPER) (E92,SP)	
* 5	A-3323-717-A	AMPLIFIER BOARD, COMPLETE (US,CND,E92)	
* 5	A-3323-992-A	AMPLIFIER BOARD, COMPLETE (AEP,UK,AUS)	
* 5	A-3323-997-A	AMPLIFIER BOARD, COMPLETE (SP)	
* 6	1-684-827-11	POWER BOARD (US,CND,E92)	
* 6	1-684-827-21	POWER BOARD (AEP,UK,SP,AUS)	
7	3-240-834-01	PANEL, REAR (US,CND)	
7	3-240-834-11	PANEL, REAR (AEP,UK,SP,E92,AUS)	
8	4-217-350-11	STOPPER, CORD	
⚠9	1-696-848-42	CORD, POWER (AUS)	
⚠9	1-696-169-11	CORD, POWER (AEP,UK,SP)	
⚠9	1-775-789-91	CORD, POWER (E92)	
⚠9	1-783-531-11	CORD, POWER (US,CND)	
10	3-232-664-01	FOOT, RUBBER	
11	X-3381-973-1	BASE SUB ASSY, WOOFER (US,CND)	
11	X-3382-213-1	BASE SUB ASSY, WOOFER (AEP,UK)	
11	X-3382-217-2	BASE SUB ASSY, WOOFER (E92)	
11	X-3382-218-1	BASE SUB ASSY, WOOFER (SP)	
11	X-3382-884-1	BASE SUB ASSY, WOOFER (AUS)	
12	4-217-354-11	BUSHING, INSULATING	
⚠F901	1-533-468-11	FUSE, GLASS TUBE (DIA. 5) T2.0AL/250V	(AEP,UK,SP,AUS)
⚠F901	1-576-478-11	FUSE, GLASS TUBE 2.0A/125V (US,CND,E92)	
⚠F902	1-533-448-11	FUSE, GLASS TUBE (DIA. 5) 1.6A/125V	(US,CND,E92)
⚠F902	1-533-467-11	FUSE, GLASS TUBE (DIA. 5) T1.6AL/250V	(AEP,UK,SP,AUS)
⚠F903	1-533-448-11	FUSE, GLASS TUBE (DIA. 5) 1.6A/125V	(US,CND,E92)
⚠F903	1-533-467-11	FUSE, GLASS TUBE (DIA. 5) T1.6AL/250V	(AEP,UK,SP,AUS)
S901	1-771-762-11	SWITCH, POWER (POWER SWITCH)	(AEP,UK,AUS)
SP103	1-825-139-11	SPEAKER (090W005//C)	
⚠T901	1-437-745-11	TRANSFORMER, POWER (US,CND,E92)	
⚠T901	1-437-746-11	TRANSFORMER, POWER (AEP,UK,SP,AUS)	
#3	7-685-547-19	SCREW +BTP 3X10 TYPE2 N-S	
#4	7-685-647-79	SCREW +BVTP 3X10 TYPE2 SLIT	
#5	7-685-646-79	SCREW +P 3X8 TYPE2 NON-SLIT	

3-2. Speaker Section



Ref. No.	Part No.	Description	Remarks
51	X-3382-051-1	CABINET (L) SUB ASSY, FRONT (US,CND,E92,SP)	
51	X-3382-214-1	CABINET (L) SUB ASSY, FRONT (AEP,UK,AUS)	
52	3-240-839-01	BUTTON, POWER	
53	3-240-840-01	KNOB	
* 54	A-3323-720-A	CONTROL BOARD, COMPLETE (US,CND,E92)	
* 54	A-3323-995-A	CONTROL BOARD, COMPLETE (AEP,UK,SP,AUS)	
55	3-232-664-01	FOOT, RUBBER	
56	3-240-837-01	CABINET, REAR (L)	
57	1-823-971-11	DIN CABLE 8P	

Ref. No.	Part No.	Description	Remarks
58	X-3382-052-1	CABINET (R) SUB ASSY, FRONT	
59	3-240-838-01	CABINET, REAR (R)	
60	1-823-970-11	CORD CONNECTION 1P	
* 61	1-685-052-21	LED BOARD	
SP101	1-825-140-11	SPEAKER (039F008//C)	
SP102	1-825-140-11	SPEAKER (039F008//C)	
#1	7-685-105-19	SCREW +P 2X8 TYPE2 NON-SLIT	
#2	7-685-133-19	SCREW +P 2.6X6 TYPE2	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 4
ELECTRICAL PARTS LIST

AMPLIFIER **CONTROL**

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA...: µA... , uPA... , µPA... ,
  uPB... , µPB... , uPC... , µPC... ,
  uPD..., µPD...
- CAPACITORS:
  uF: µF
- Abbreviation
  CND : Canadian model.
  E92 : Chilean and Peruvian model.
  SP : Singapore model.
  AUS : Australian model.
- COILS
  uH: µH

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description				Remarks
*	A-3323-717-A	AMPLIFIER BOARD, COMPLETE (US,CND,E92)				
*	A-3323-992-A	AMPLIFIER BOARD, COMPLETE (AEP,UK,AUS)				
*	A-3323-997-A	AMPLIFIER BOARD, COMPLETE (SP)				
		**********				
	4-217-354-11	BUSHING, INSULATING				
	7-685-646-79	SCREW +P 3X8 TYPE2 NON-SLIT				
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 SLIT				
		< CAPACITOR >				
C117	1-130-488-00	MYLAR	0.027uF	5%	50V	
C119	1-126-934-11	ELECT	220uF	20.00%	16V	
C217	1-130-488-00	MYLAR	0.027uF	5%	50V	
C219	1-126-934-11	ELECT	220uF	20.00%	16V	
C332	1-126-959-11	ELECT	0.47uF	20.00%	50V	
C333	1-126-933-11	ELECT	100uF	20.00%	16V	
C338	1-126-933-11	ELECT	100uF	20.00%	16V	
C339	1-124-234-00	ELECT	22uF	20%	16V	
C340	1-126-960-11	ELECT	1uF	20.00%	50V	
C341	1-126-947-11	ELECT	47uF	20.00%	16V	
C342	1-130-499-00	MYLAR	0.22uF	5%	50V	
C343	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C344	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C345	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C346	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C347	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V	
C350	1-126-953-11	ELECT	2200uF	20.00%	35V	
C351	1-126-953-11	ELECT	2200uF	20.00%	35V	
C352	1-126-944-11	ELECT	3300uF	20.00%	25V	
		< CONNECTOR >				
CN302	1-566-690-11	PLUG, CONNECTOR (2.5mm) 2P				
		< DIODE >				
D301	8-719-423-10	DIODE MA8100-M-TX (AEP,UK,AUS)				
		< IC >				
IC301	8-759-543-56	IC LA4601N				
IC302	6-702-348-01	IC LM4701T				
IC303	6-700-776-01	IC KIA78S09P-TP				
		< JACK >				
J301	1-417-224-11	CONNECTOR, DIN (SOCKET) 8P (L OUT)				
J302	1-566-822-51	JACK (R OUT)				

Ref. No.	Part No.	Description				Remarks
		< TRANSISTOR >				
Q301	8-729-038-67	TRANSISTOR	KRC102S			
Q302	8-729-038-67	TRANSISTOR	KRC102S			
Q303	8-729-038-71	TRANSISTOR	KRC107S			
Q304	8-729-920-31	TRANSISTOR	DTC343TK-T-146			(AEP,UK,AUS)
Q305	8-729-038-71	TRANSISTOR	KRC107S (AEP,UK,AUS)			
		< RESISTOR >				
R118	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	
R119	1-216-818-11	METAL CHIP	560	5%	1/16W	
R218	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	
R219	1-216-818-11	METAL CHIP	560	5%	1/16W	
R332	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R333	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	
R335	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R336	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R337	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R338	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	
R339	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R340	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	
R341	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R342	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R343	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R344	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R345	1-216-308-00	METAL CHIP	4.7	5%	1/10W	
R346	1-216-308-00	METAL CHIP	4.7	5%	1/10W	
R347	1-216-833-11	METAL CHIP	10K	5%	1/16W	(AEP,UK,AUS)
R348	1-216-845-11	METAL CHIP	100K	5%	1/16W	(AEP,UK,AUS)
R349	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	(AEP,UK,AUS)
**********						
*	A-3323-720-A	CONTROL BOARD, COMPLETE (US,CND,E92)				
*	A-3323-995-A	CONTROL BOARD, COMPLETE				(AEP,UK,SP,AUS)
		**********				
		< CAPACITOR >				
C101	1-126-963-11	ELECT	4.7uF	20.00%	50V	
C103	1-126-963-11	ELECT	4.7uF	20.00%	50V	
C106	1-126-964-11	ELECT	10uF	20.00%	50V	
C107	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C109	1-126-963-11	ELECT	4.7uF	20.00%	50V	
C110	1-126-963-11	ELECT	4.7uF	20.00%	50V	
C111	1-126-963-11	ELECT	4.7uF	20.00%	50V	

CONTROL LED POWER

Ref. No.	Part No.	Description			Remarks
C131	1-126-963-11	ELECT	4.7uF	20.00% 50V	
C201	1-126-963-11	ELECT	4.7uF	20.00% 50V	
C203	1-126-963-11	ELECT	4.7uF	20.00% 50V	
C206	1-126-964-11	ELECT	10uF	20.00% 50V	
C207	1-162-927-11	CERAMIC CHIP	100PF	5% 50V	
C209	1-124-259-11	ELECT	4.7uF	20.00% 16V	
C210	1-124-259-11	ELECT	4.7uF	20.00% 16V	
C211	1-126-963-11	ELECT	4.7uF	20.00% 50V	
C231	1-124-259-11	ELECT	4.7uF	20.00% 16V	
C301	1-126-933-11	ELECT	100uF	20.00% 16V	
C302	1-107-826-11	CERAMIC CHIP	0.1uF	10.00% 16V	
C303	1-126-933-11	ELECT	100uF	20.00% 16V	
C304	1-107-826-11	CERAMIC CHIP	0.1uF	10.00% 16V	
C307	1-131-664-91	CERAMIC CHIP	0.15uF	10% 10V	
C309	1-107-826-11	CERAMIC CHIP	0.1uF	10.00% 16V	
C310	1-126-963-11	ELECT	4.7uF	20.00% 50V	
C311	1-126-964-11	ELECT	10uF	20.00% 50V	
C312	1-107-826-11	CERAMIC CHIP	0.1uF	10.00% 16V	
C313	1-107-826-11	CERAMIC CHIP	0.1uF	10.00% 16V	
C314	1-127-715-91	CERAMIC CHIP	0.22uF	10% 16V	
C315	1-126-963-11	ELECT	4.7uF	20.00% 50V	
C316	1-162-927-11	CERAMIC CHIP	100PF	5% 50V	
C321	1-126-964-11	ELECT	10uF	20.00% 50V	
		< CONNECTOR >			
CN101	1-566-690-11	PLUG, CONNECTOR (2.5mm) 2P			
* CN102	1-506-990-11	PIN, CONNECTOR (PC BOARD) 8P			
		< IC >			
IC101	8-759-502-82	IC LM324M-FL63			
IC102	8-759-100-96	IC NJM4558M-TE2			
		< JACK >			
J101	1-566-822-51	JACK (INPUT 1)			
J102	1-566-822-51	JACK (INPUT 2)			
		< JUMPER RESISTOR >			
JR101	1-216-864-11	METAL CHIP	0	5% 1/16W	
JR102	1-216-864-11	METAL CHIP	0	5% 1/16W	
		< TRANSISTOR >			
Q101	8-729-038-71	TRANSISTOR	KRC107S		
Q102	8-729-038-58	TRANSISTOR	KRA107S		
		< RESISTOR >			
R101	1-216-827-11	METAL CHIP	3.3K	5% 1/16W	
R103	1-216-821-11	METAL CHIP	1K	5% 1/16W	
R104	1-216-827-11	METAL CHIP	3.3K	5% 1/16W	
R105	1-216-829-11	METAL CHIP	4.7K	5% 1/16W	
R106	1-216-829-11	METAL CHIP	4.7K	5% 1/16W	
R107	1-216-837-11	METAL CHIP	22K	5% 1/16W	
R108	1-216-833-11	METAL CHIP	10K	5% 1/16W	
R109	1-216-837-11	METAL CHIP	22K	5% 1/16W	
R131	1-216-827-11	METAL CHIP	3.3K	5% 1/16W	
R201	1-216-827-11	METAL CHIP	3.3K	5% 1/16W	
R203	1-216-821-11	METAL CHIP	1K	5% 1/16W	
R204	1-216-827-11	METAL CHIP	3.3K	5% 1/16W	

Ref. No.	Part No.	Description			Remarks
R205	1-216-829-11	METAL CHIP	4.7K	5% 1/16W	
R206	1-216-829-11	METAL CHIP	4.7K	5% 1/16W	
R207	1-216-837-11	METAL CHIP	22K	5% 1/16W	
R208	1-216-833-11	METAL CHIP	10K	5% 1/16W	
R209	1-216-837-11	METAL CHIP	22K	5% 1/16W	
R231	1-216-827-11	METAL CHIP	3.3K	5% 1/16W	
R301	1-216-829-11	METAL CHIP	4.7K	5% 1/16W	
R302	1-216-807-11	METAL CHIP	68	5% 1/16W	
R303	1-216-829-11	METAL CHIP	4.7K	5% 1/16W	
R305	1-216-829-11	METAL CHIP	4.7K	5% 1/16W	
R306	1-216-833-11	METAL CHIP	10K	5% 1/16W	
R307	1-216-833-11	METAL CHIP	10K	5% 1/16W	
R308	1-216-821-11	METAL CHIP	1K	5% 1/16W	
R309	1-216-833-11	METAL CHIP	10K	5% 1/16W	
R310	1-216-823-11	METAL CHIP	1.5K	5% 1/16W	
R311	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R312	1-216-854-11	METAL CHIP	560K	5% 1/16W	
R313	1-216-837-11	METAL CHIP	22K	5% 1/16W	
R321	1-216-829-11	METAL CHIP	4.7K	5% 1/16W	
		< VARIABLE RESISTOR >			
RV101	1-227-429-11	RES, VAR CARBON 10K/10K (VOL)			
RV102	1-227-431-11	RES, VAR CARBON 10K (BASS)			
		< SWITCH >			
S101	1-786-215-11	SWITCH, PUSH (2 KEY) (POWER ON/OFF)			
**********					
*	1-685-052-21	LED BOARD			
		**********			
		< DIODE >			
D101	8-719-066-58	DIODE SM2512 (POWER)			
		< RESISTOR >			
R331	1-216-821-11	METAL CHIP	1K	5% 1/16W	
**********					
*	1-684-827-11	POWER BOARD (US,CND,E92)			
*	1-684-827-21	POWER BOARD (AEP,UK,SP,AUS)			
		**********			
		< CAPACITOR >			
⚠C901	1-113-920-11	CERAMIC	0.0022uF	20.00% 250V	
		< CONNECTOR >			
* CN902	1-564-321-21	PIN, CONNECTOR(3.96mm PITCH)2P			(AEP,UK,AUS)
CN903	1-565-731-11	PLUG, CONNECTOR (2.5mm) 5P			
		< DIODE >			
D901	8-719-046-07	DIODE 2A02M			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remarks
D902	8-719-046-07	DIODE 2A02M	
D903	8-719-046-07	DIODE 2A02M	
D904	8-719-046-07	DIODE 2A02M	
D905	8-719-046-07	DIODE 2A02M	
D906	8-719-046-07	DIODE 2A02M	
D907	8-719-046-07	DIODE 2A02M	
D908	8-719-046-07	DIODE 2A02M	
		< FUSE HOLDER >	
FH901	1-533-313-11	HOLDER, FUSE	
FH902	1-533-313-11	HOLDER, FUSE	
FH903	1-533-313-11	HOLDER, FUSE	
FH904	1-533-313-11	HOLDER, FUSE	
FH905	1-533-313-11	HOLDER, FUSE	
FH906	1-533-313-11	HOLDER, FUSE	
**********			
*	1-684-829-21	POWER SWITCH BOARD (AEP,UK,AUS)	
		**********	
*	1-684-830-21	RETAINER BOARD (SW) (AEP,UK,AUS)	
		< CONNECTOR >	
CN901	1-564-321-00	PIN, CONNECTOR(3.96mm PITCH)2P	(AEP,UK,AUS)
		< SWITCH >	
S901	1-771-762-11	SWITCH, POWER (POWER SWITCH)	(AEP,UK,AUS)
**********			
		MISCELLANEOUS	
		**********	
* 2	1-684-830-21	RETAINER BOARD (SW) (AEP,UK,AUS)	
* 3	1-684-828-11	RETAINER BOARD(US,CND,E92)	
* 3	1-684-828-21	RETAINER BOARD (AEP,UK,SP,AUS)	
⚠9	1-696-169-11	CORD, POWER (AEP,UK,SP)	
⚠9	1-696-848-42	CORD, POWER (AUS)	
⚠9	1-775-789-91	CORD, POWER (E92)	
⚠9	1-783-532-11	CORD, POWER (US,CND)	
57	1-823-971-11	DIN CABLE 8P	
60	1-823-970-11	CORD CONNECTION 1P	
⚠F901	1-533-468-11	FUSE, GLASS TUBE (DIA. 5) T2.0AL/250V	(AEP,UK,SP,AUS)
⚠F901	1-576-478-11	FUSE, GLASS TUBE 2.0A/125V (US,CND,E92)	
⚠F902	1-533-448-11	FUSE, GLASS TUBE (DIA. 5) 1.6A/125V	(US,CND,E92)
⚠F902	1-533-467-11	FUSE, GLASS TUBE (DIA. 5) T1.6AL/250V	(AEP,UK,SP,AUS)
⚠F903	1-533-448-11	FUSE, GLASS TUBE (DIA. 5) 1.6A/125V	(US,CND,E92)
⚠F903	1-533-467-11	FUSE, GLASS TUBE (DIA. 5) T1.6AL/250V	(AEP,UK,SP,AUS)
SP101	1-825-140-11	SPEAKER (039F008//C)	
SP102	1-825-140-11	SPEAKER (039F008//C)	
SP103	1-825-139-11	SPEAKER (090W005//C)	
⚠T901	1-437-745-11	TRANSFORMER, POWER (US,CND,E92)	
⚠T901	1-437-746-11	TRANSFORMER, POWER (AEP,UK,SP,AUS)	
**********			

Ref. No.	Part No.	Description	Remarks
		ACCESSORIES	
		**********	
⚠	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
	1-823-340-11	CORD, CONNECTION	
	3-243-439-12	MANUAL, INSTRUCTION (ENGLISH,FRENCH,GERMAN,SPANISH,DUTCH, SWEDISH,ITALIAN,PORTUGUESE)	

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REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2002.05	New
1.1	2002.11	Addition of Australian model